

## VITA

### Henry J. Bokuniewicz

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Education: Ph.D. Yale University, 1976  
M. Phil. Yale University, 1973  
B. A. University of Illinois, Champaign-Urbana Campus, 1971

**Present Position:** Professor of Oceanography  
Marine Sciences Research Center  
State University of New York at Stony Brook

Director, Long Island Groundwater Research Institute

<b>Previous positions:</b>	MSRC Associate Dean for Education	1992-1998
	Associate Professor, Oceanography	1982-1991
	Assistant Professor, Oceanography	1977-1982
	Post-doctoral Research Associate, Geophysics, Yale University	1976-1977

### Representative Service, School of Marine and Atmospheric Sciences:

Served as advisor to 41 Graduate Students (3 Pending Ph.D. Students)

Associate Dean for Education – 1992-1998  
Director of Graduate Studies – 1989-1994  
Director, Coastal Oceans Strategy since 1985

*SoMAS Committees:* Reading Room Committee (1978-1980), Graduate Programs (1978, 1988, 2001-2), Admissions Committee (1980-1980-1988), Ship's Committee (1979-91, 2002) Comprehensive Examination Committee (1980, 81, 82, 83, 84, 85, 86, 87), Awards Committee (1981, 82, 84, 85, 86), Executive Committee (1982-1987), Distinguished Visiting Scholar Committee (1984, 85, 86), Chair: Curriculum Committee (1984, 85, 86), 5-year Review Committee (1987, 88), Electronic Shop Committee (1988-90), Distinguished Teaching Award Committee (1989), LI 2000 Report (1990) Chair: Minority Recruitment Committee, Chair: Environmental Engineering Committee, Award Committee (1998-2002), Merit Review Panel (1998, 2008), Funds Committee 2002, Curriculum Committee 2002-2003, Co-chair: Grievance Committee 2003, Comprehensive Exam 2005-2008, Chair: Dialogue Committee 2007, Camp Seawolf Advisory Committee since 2005.

*Search Committees:* 1979 (Associate Director of Research), 1979 (Chemical Oceanographer), 1979 (Coastal Engineer), 1980 (Coastal processes), 1981 (Coastal processes), 1982 (Wave specialist), 1983 (Biological Oceanographer), 1984 (Coastal Oceanographer), 1986 (Field Technician), 1987 (Director of the Waste Management Institute), 1987, 1992, 1999, 2005 (Geological Oceanographer), 1987 (Environmental Biologist), 1987 (Chemical Oceanographer), 1987 (Associate Director for Research), 1988 (Minority Development Officer), 1989 (Microbiologist), 1990 (Graphic Artist), 1992 (Analytical Technician), 1994 (Research Vessel Captain), 1998 (Coastal Meteorologist), 2001 (Chemical Oceanographer), 2003 (Assistant Dean), 2007 (Sea Grant Director)

REU summer program research supervisor (2005 -07)

## **Representative University Service**

Chair: Committee on Research Administration (1982-87), Federated Learning Community Curriculum Committee (1982), M-RAP Fellowship (1988-92), President's Award Selection Committee (1985), Collegium on Global Change (1989-90), NY Press Assoc. Panel (1992), Dean's Committee for Environmental Science (1996), SBU Earthstock Panel (2004)

*Advisory Committees:* Telephone (1983-86), Rehabilitations (1983-84), Indirect Costs (1984-86), Facilities Engineering (1986-88), Museum of Long Island (1998)

*Search Committees:* 1984 (Asst. Vice-Pres for Human Resources), 1984 (Director of Grants Management, 1987 (Asst. Vice President for Facilities Engineering.), 1987 (Asst. Vice Provost), 1998 (Assoc. Dean of Graduate School)

*Courses:* Geological Oceanography (graduate, 1978-2009), Long Island Sound: Science and Use (introductory undergraduate, 1981-2009), Engineering and Coastal Geology (advanced undergraduate, 2001-09), Waves, Tides and Beaches (advanced undergraduate, 1998-2009), Long Island Groundwater (on-line graduate, 2005-2009), Long Island Beaches (on-line graduate, 2005-2009), special sections of MAR 101 and MAR 104 for high school students (2006-2009); and others.

## **Representative Professional Service**

*Service Committee Memberships:* U.S. Army Corps of Engineers Public Involvement Coordination Group (1979-90); Department of Environmental Conservation, Hudson River Management Plan, Advisory Committee (1988-90); U.S. EPA Long Island Sound Technical Advisory Committee (1986-90); EPA Long Island Sound Contaminant Committee (1989-90); EPA New York Bight Technical Advisory Committee (1989); EPA Sediment transport in the NY Bight (1989-90); NY State Disaster Preparedness Committee's Technical Advisory Committee on Coastal Erosion (1988-89); EPA Toxic Working Group for NY Bight and Harbor (1991-1992); EPA Toxic Working Group for Long Island Sound (1991-1992); USACE DAMOS Review Panel (1991); WEDA Environmental Commission (1995); USACE NY Bight Ecology Group (1996); NYS DEC Toxics Working Group for the Hudson-Raritan Estuary (1995-1998); NY-NJ Estuary Program for Contaminant Reduction (1998); MMS Working Group on Atlantic Margin Offshore Sediment (2000); USACE Norton Bay Technical Committee (2002-2003); USACE Environmental Technical Management Committee for the Reformulation Study (2000); Town of Brookhaven Advisory Committee for West Meadow Beach (2005); Cornell Cooperative Extension Advisory Board for Marine Affairs since 2001; Scientific Advisory Board to the Oceans and Great Lakes Ecosystem Conservation Council; New State Initiative at Ecosystem-Based Management (2007-08); Advisory Committee for the Dredged Material Management Project of the South Shore Estuary Program since 2008; Pine Barrens Technical Advisory Committee since 1994; NPS "Blue Ribbon" Panel on Jamaica Bay (2003); Committee for Open-Space Acquisitions, Town of Brookhaven since 1995; Board of the Foundation for Ecological Research in the Northeast (FERN) since 2003; Scholarship Committee (Member and Past-Chair), New York Section, American Water Works Association since 2003; USACE/EPS Scientific Panel for the Historic Area Remediation Site (HARS) Management and Monitoring Plan since 2002; National Park Service's Science Board for Jamaica Bay since 2005; Technical Advisory Committee for the Suffolk County Comprehensive Water Resources Management Plan since 2007.

Co-sponsored the annual Pine Barrens Research Forum with BNL and the Pine Barrens Commission since 1994.

Chair of Suffolk County's Ground-water Guardian Team since 1997.

Convened a symposium on Subaqueous Borrow Pit Research and Management for the US Army Corps of Engineers (2006),

Hosted an EPA/NYS DEC training session on “Groundwater Modeling Management and Application for Decision-Making” (2006)

Hosted a three-day (2005) training session on techniques of parameter estimation (PEST) at Stony Brook

Hosted a one-day workshop on Advanced Groundwater Remediation Techniques (2008) at Stony Brook

Convened a special session on the science of the Lloyd Aquifer at the 13th Conference on the Geology of Long Island and Metropolitan in 2007

Occasional advisor to the Town of Smithtown on erosion and dredging at the Nissequogue River.

*Reviewer for:* Advances in Water Resources, American Museum on Natural History, American Scientist, American Shore & Beach Preservation Society, Biogeochemistry, Brooklyn College, Canadian Journal of Fisheries and Aquatic Sciences, Center for Field Research, City University of New York, East Carolina University, Elk Horn Slough National Estuary Reserve, EPA, Estuaries, Estuarine and Coastal Marine Science, Estuarine Coastal and Shelf Science, Estuarine Research Federation, FEMA, Geological Society of America, Geophysical Research Letters, Hudson River Foundation, International Journal for Geographical Information Systems, Journal of Chemistry and Ecology, Journal of Coastal Research, Journal of Geology, Journal of Geophysical Research, Journal of Great Lakes Research, Journal of Hydraulic Engineering, Journal of Hydrology, Journal of Marine Environmental Engineers, Journal of Sedimentary Petrology, Journal of Sedimentary Research, Kiel University, Limnology & Oceanography, Marine Chemistry, Marine Geology, Merrill Publishing Co., National Biological Services, National Sea Grant College Program, Nature, National Undersea Research Program, NOAA, North Carolina Dept. of Natural Resources, Northeastern Environmental Science, NSF, PSC-CUNY Research Award Program, Science, Sea Grant Institutes (CT, FL, NH, NJ, NY, ME, MIT, OR, RI, SC), Shannon Point Marine Center, Shore & Beach, Springer-Verlag, Stevens Institute of Technology, University of CT, University of FL, University of MA, USGS, US-Israel Binational Science Foundation, Woods Hole Oceanographic Institute and others.

#### **National Service:**

National Oceanic and Atmospheric Administration: Dredging and Large volume waste disposal (1978)  
National Oceanic and Atmospheric Administration: Managing conflict in the use of estuaries (1984)  
U.S. Congress Office of Technology Assessment Committee on offshore mining and marine minerals (1986-88)

National Research Council Committee on Contaminated Sediment (1987-88)

NSF Estuaries Workshop Series (co-convener, 1987-88)

National Transportation Board Committee on Dredging Windows (2001-2002)

National Research Council Committees dealing with Adaptive Management (2002-04)

EPA panelist for the review of STAR grants (2008-09)

Project Delivery Team for the Corps of Engineers Regional Sediment Management Program (2009)

Brookhaven National Laboratory Local Oversight and Monitoring Committee (2005-2006)

Co-hosted Training Sessions on MTBE and TBA in cooperation with the Interstate Technology and Regulatory Council and the NYS DEC in Denver (2005), in Reno (2006), in San Francisco (2005), in Memphis (2005) and Stony Brook (2008), Barcelona (2004), Wisconsin (2005), Copenhagen (2005) and Leipzig (2005).

Hosted various workshops on coastal issues for the U.S Army Corps of Engineers, the Long Island Coastal Alliance and the National Park Service.

### **International Service:**

Member since 1987: International Council for the Exploration of the Sea (ICES) working group on effects of marine mining.

Member: Committee on Coastal Groundwater of the International Association for the Physical Sciences of the Oceans

Member since 2003: NYS Park “Twinnings” program of the Pine Barrens Commission.

Panel member (2002-2008) for the Kosciuszko Foundation scholarships for Polish scientists in support of graduate level research at US universities

Member of a LOICZ working group on coastal groundwater typologies and an associate member of the SCOR working group on ground-water fluxes

Member LOICZ Committee for global typology and nominated for the Scientific Steering Committee (2009).

Presentation on climate change, groundwater issues for UN ambassadors from Small Island States (2008)

Lycee Louis de Grand. Hosted high-school summer research student from Paris and visited the school to develop future collaborations.

*Collaborative Research:* Poland’s Institute of Geophysics, Bari University, University of Venice, Istituto di Scienze Marine (Venice), University of the West Indies, University of Pisa, Universitat Autònoma de Barcelona, Bulgarian Institute of Water research, Romanian Marine Research institute, University of Bucharest, International Atomic Energy Agency, Namibian Ministry of Fisheries, Instituto Oceanografico de Universidade de Sao Paulo, University of Mauritius, IMEDEA of Mallorca (Spain), James Cook University (Australia), Australian Institute of Marine Science, CSIRO (Australia), and others.

### **Representative Community Service**

NY Academy of Sciences’ Scientists-in-Schools Program (1984-89)

*Supervisor:* Community Action Program, Ward Melville High School (1979-81), Coastal Science Projects, Long Beach High School (1986-87), Beach Studies, East Hampton High School (1979-83), Beach Surveys, Bayshore High School (1979-83), NY State Summer Intern Program (1980), North Shore Community Wave Observation Program (1982).

*Public Lectures:* NJ Marine Consortium Dredging Panel (1988); Dredging and disposal in LI Sound, League of Women Voters (2005); Towards a groundwater clearinghouse, LI Water Conference (2005); Contamination of Groundwater, LI EcoSummit (2004), Citizens Campaign for the Environment (1992, 1993); Images of the Pine Barrens, Pisa, Italy (2005); Climate Change on LI, Sachem Library (2007); MTBE a Groundwater Concern, keynote NYS Water Authorities Conference (1999); Setting the Stage for a LI Sound Tunnel, LI Business Forum (1991); Contaminants emerging in our water. Emerging contaminants in groundwater, Cornell University Program on Breast Cancer and Environmental Risk Factors (2008); and others.

Numerous public lectures on shore erosion on LI: BOCES (1997, 2000), Northport HS (2006), Ward Melville HS (1979-1981), Sawmill Middle School (1997), Bayshore HS (1979-1983), East Hampton HS (1979-1983), South Country Library (1994), Bellport Library (1994), Oak Beach Association (1994), BOCES (1994, 1995), Bayshore-Brightwaters Library (1993), LI Coastal Alliance (1991, 1992, 1993), Long Beach HS (1986, 1987), Sayville HS (1993), SBU Geosciences public lecture (2006), and others

For five years, hosted the “Groundwater University” at Camp Sea Wolf in Peconic Dunes as well as educational sessions at C.W. Post (April), Mepham High School, Bellmore (May), Shelter Rock Elementary School and Munsey Elementary School, Manhasset (June), Bayville Intermediate School (June), and Burr Intermediate School, Commack (November) reaching approximately 530 students.

Mentored eight high school students for the Intel Science search, one of whom, Jana Hirsh, was a semi-finalist with a project on the seismic signature of breaking waves. I've also served as a judge on numerous science fairs and the Envirothon.

## **Publications:**

### **2008:**

Bokuniewicz, H.J., M. Taniguchi, T., Ishitoibi, M. Charette, M. Allen and E.A. Kontar. 2008. Direct Measurements of Submarine Groundwater Discharge (SGD) over a fractured rock aquifer in Flamengo Bay Brazil. *Estuarine, Coastal and Shelf Science*: 76: 466-472.

Buonaiuto, F.S., Slaterry, M., Bokuniewicz, H., 2008. Wave Modeling of Long Island Coastal Waters, *Journal of Coastal Research*, In review.

Buonaiuto, F. and H. Bokuniewicz, Hydrodynamic Partitioning of a Mixed Energy Tidal Inlet, *Journal of Coastal Research*, January 2008.

Coffey, R, BL Mayers, H Bokuniewicz and L Nurse. 2008. Submarine groundwater discharge in Barbados. In preparation.

Garcia-Solsona, E., P. Masqué, J. Garcia-Orellana, J. Rapaglia, A. J. Beck, J. K. Cochran, H. J. Bokuniewicz, L. Zaggia, F. Collavini. 2008. Estimating submarine groundwater discharge around Isola La Cura, northern Venice Lagoon (Italy), by using the radium quartet. *Marine Chemistry*. 109: 292-306.

Tovar-Sanchez, A, AJ Beck, R Coffey, B Basterretxea, R Vaquer, E Garcia, J Garcia-Orellana, LL Martinez, CM Duarte, S Agusti, P Masque, HJ Bokuniewicz, S Sanudo-Wilhelmy. 2007. A Preliminary Survey of the Input of Contaminants via Groundwater Discharge into the Coastal Environment of Mallorca Island. *Ecosystems*. In press.

### **2007**

Beck, A.J., J. Rapaglia, J.K. Cochran, and H.J. Bokuniewicz, 2007. Radium mass-balance in Jamaica Bay, NY: Evidence for a substantial flux of submarine groundwater. *Marine Chemistry*: 106: 419-441.

Beck, A.J., Y. Tsukamoto, H.J. Bokuniewicz, S.A. Sanudo-Wilhelmy and A. Tovar-Sanchez. 2007. Importance of geochemical transformation in determining submarine-groundwater discharge derived trace metals and nutrient fluxes. *Applied Geochemistry*: 22: 477-490.

Bokuniewicz, H.J., J. Rapaglia and A. Beck. 2007. Submarine Groundwater Discharge (SGD) from a Volcanic Island: A case study in Mauritius Island. *International Journal of Oceans and Oceanography*: 1: ISSN 0973-2667.

Bokuniewicz, H., M. Taniguchi, T. Ishitoibi, M. Charette, M. Allen and E. Kontar, 2007. Direct measurements of submarine groundwater discharge over a fractured rock aquifer in Ubatuba, Brazil. *Estuarine Coastal and Shelf Science*, 76: 466-472.

Buonaiuto, F.S., Bokuniewicz, H.J. and FitzGerald, D.M., 2007. Principal component analysis of morphology change at a tidal inlet: Shinnecock Inlet, NY *Journal of Coastal Research*. In press.

Munster, J.E., G.N. Hanson, Q. Liu and H. J. Bokuniewicz 2007. Major element chemistry of nitrate end members mixing in groundwater. *Environmental Science and Technology*. Submitted.

Seaver, K. H.J. Bokuniewicz, F. Buonaiuto. 2007. Evolution of erosional hot spots on a barrier island: Fire Island, New York. *Coastal sediments '07*, N. C. Kraus and J.D. Rosati, editors. Amer. Soc. Civil Engs. Vol. 3 pp 1722-1730.

### **2006**

Bokuniewicz, H.J. 2006. Sedimentary Processes in the Hudson River Estuary. In "The Hudson River Estuary Ecosystem". J. Waldman and J. Levinton editors, Cambridge University Press: 39-50.

Burnett, W.C., P.K. Aggarwal, A. Aureli, H. Bokuniewicz, J.E. Cable, M.A. Charette, E. Kontar, S. Krupa, K.M. Kulkarni, A. Loveless, W.S. Moore, J.A. Oberdorfer, J. Oliveira, N. Ozyurt, P. Povinec, A.M. G. Privitera, R. Rajar, R.T. Ramessur, J. Scholten, T. Stieglitz, M. Taniguchi, J. V. Turner. 2006. Quantifying submarine groundwater discharge in the coastal zone via multiple methods. *Science of the Total Environment* 367: 498-543.

Dulaiova, H., W.C. Burnett, J.P. Chanton, W. S. Moore, H.J. Bokuniewicz, M.A. Charette, and E. Sholkovitz, 2006. Assessment of Groundwater Discharges into West Neck Bay, New York via Natural Tracers. *Continental Shelf Research* 26: 1971-1983.

Munster, J., G. Hanson, A.M. Petrovic, and H. Bokuniewicz, 2006. Evaluating nitrate leaching between diverse turfgrass sites. *Northeastern Geology and Environmental Sciences* 28: 368-377.

Side, J., et al. 2006. Report of the working group on the effects of extraction of marine sediments on marine ecosystems (WGEXT). International Council for the Exploration of the Sea. ICES CM 2006 MHC:07, ref ACME: 104 pp.

Sirkin, L. and H.J. Bokuniewicz, 2006. The Hudson River Valley: Geologic History, Landform and Resources in "The Hudson River Ecosystem" J. Waldman and J. Levinton, editors. Cambridge University Press: 13-23.

## **2005**

Bokuniewicz, H.J. 2005. Ingression, Regression and Transgression in "Encyclopedia of Coastal Sciences", Maurice Schwartz, editor, Springer, the Netherlands. 564-565.

Bokuniewicz, H.J. 2005. Endogenic and Exogenic Factors in "Encyclopedia of Coastal Sciences", Maurice L. Schwartz, editor, Springer, the Netherlands 407-408.

Bokuniewicz, H.J. 2005. The Littoral. In *Encyclopedia of Coastal Sciences*, Maurice L. Schwartz editor, the Netherlands 592-594.

Bokuniewicz, H. Pollock, M., Blum, J. and R. Wilson. 2005. Submarine Groundwater Discharge and Salt Penetration across the Sea Floor. *Groundwater* 42: 983-989.

Buonaiuto, F. S. and H. J. Bokuniewicz. 2005. Coastal bluff recession and impacts on littoral transport: special reference to Montauk, New York. *Shore and Beach* 73: 24-29.

Side, J., H.J. Bokuniewicz 2005. Report of the working group on the effects of extraction of marine sediments on marine ecosystems (WGEXT). International Council for the Exploration of the Sea. ICES CM 2005/E: 06 ref. ACME: 104 pp.

Syvitski, J.P.M. et al. 2005. Dynamics of the coastal zone in "Coastal Fluxes in the Anthropocene, C.J. Crossland, H.H. Kremer, H. J. Lindeboom, J. I. Marshall Crossland and M.D.A. Le Tissier, editors Springer-Verlage, Berlin 39-94.

## **2004**

Boesch, D.F., H. J. Bokuniewicz, , R. De Neufville, G. Dickey, H. Doremus, H. Hershner, J. Hitzhusen, D. Howard, W. R. Lowry, B. Noon, T. Scudder, R. Sterner 2004. Adaptive Management for Water Resources Projects. National Academy Press. Washington D.C. 108 pp.

Boesch, D.F., H. J. Bokuniewicz, R. De Neufville, G. Dickey, H. Doremus, H. Hershner, J. Hitzhusen, D. Howard, W. R. Lowry, B. Noon, T. Scudder, R. Sterner 2004. "US Army Corps of Engineers Water Resources Planning".

Bokuniewicz, H., E. Kontar, M. Rodrigues, D.A. Klein. 2004. Submarine Groundwater Discharge (SGD) Patterns through a fractured rock: A case study in the Ubatuba, coastal area, Brazil. *Asociacion Argentina de Sedimentologia Revista*, 11: 9-16.

Bokuniewicz, Henry. The World's Coasts: Online United States of America, New York and New England E. Bird, editor Kluwer Academic Publications, The Netherlands.

Bokuniewicz, H.J. 2004. Isolated Groins at East Hampton, NY. *Journal of Coastal Research* 33: 215-222.

Cheng, P., Gao, S. and H. Bokuniewicz 2004. Net Sediment Transport over the Bohai Strait based on grain size trend analysis. *Estuarine, Coastal and Shelf Science* 60: 203-212.

Side, J., H. Bokuniewicz, et al. 2004. Effects of extraction of marine sediments on the marine ecosystem. ICES CM 2004/E: 07 Ref ACME, ACE, D 102 pp.

## **2003**

Bokuniewicz, H., R. Buddemeier, B. Maxwell, and C. Smith. 2003. The Typological Approach to Submarine groundwater discharge (SGD). *Biogeochemistry* 66: 145-158.

Bokuniewicz, H., W. Burnett, M. Huettel, W. Moore and M. Taniguchi. 2003. Groundwater Pore Water Inputs to the Coastal Zone. *Biogeochemistry* 66: 3-33, 2003.

Sanudo-Wilhelmy, S.A., F.K. Rossi, H. Bokuniewicz and R. Paulsen, 2003. Response to Comment on "Trace Metal levels in uncontaminated groundwater of a coastal watershed: Importance of colloidal Forms". *Environmental Science and Technology* 37: 659-660.

Side, J., H. Bokuniewicz, et al. 2003. Effects of extraction of marine sediments on the marine ecosystem. ICES CM 2003/E: 07 ref. ACME, ACE, D: 108 p.

## **2002**

Bokuniewicz, H. J., R. Buddemeier, B. Maxwell, and C. Smith, 2002. The typological approach to submarine groundwater discharge. *Proceedings of the International Symposium on low-lying coastal regions: Hydrology and Integrated Coastal Zone Management, Bremerhaven Germany. September 2002.*

Burnett, W. and H. J. Bokuniewicz, 2002. Are groundwater inputs into the coastal zone important? *Proceedings of the International Symposium on low-lying coastal areas: Hydrology and integrated coastal zone management. Bremerhaven Germany. September 2002.*

Kenny, A.J. E. Andruliewicz, H. Bokuniewicz, S.E. Boyd, J. Breslin, C. Brown, I.Cato, J. Costelloe, M. Desprez, C. Dijkshoorn, G. Fader, R. Courtney, S. Freeman, B. De.Groot, L. Galtier, S. Helmig, H. Hillewaert, J. C. Krause, B. Lauwaert, H. Leuchs, G. Markwell, M. Mastowske, A. J. Murray, P.E. Nielsen, D. Ottesen, R. Pearson, M-J. Rendas, S. Rogers, R. Schuttenhelm, A. Stolk, J. Side, T. Simpson, S. Uscinowicz, and M. Zeiler. 2003. An overview of seabed mapping technologies in the context of marine habitat classification. *ICES Journal of Marine Science* 60 (2): 411-418.

Ladd, J. W., R. Bell, E. A. Blair, H. Bokuniewicz, S. Carbotte, R. M. Cerrato, S. Chillrud, V. L. Ferrini, R. D. Flood, N. Maher, C. M. G. McHugh, F. O. Nitsch., W. B. F. Ryan, D. L. Strager, J. Thissen and R. Versteeg. Mapping the Hudson Estuary's submerged land. *Clearwaters* 32: 5-7.

Sanudo-Wilhelmy, F. Rossi, H. Bokuniewicz, Ronald J. Paulsen. 2002. Trace Metal Levels in Uncontaminated Groundwater of a Coastal Watershed: Importance of Colloidal Forms. *Environmental Science and Technology*: 36: 1435-1441.

## **2001**

Bokuniewicz, H.J. 2001. Towards a coastal groundwater typology. *Journal of Sea Research*: 46: 99-108.

Johnston, S. and H. J. Bokuniewicz, 2001. Seasonal Beach on Long Island's Ocean Shorelines, (New York). *Shore and Beach*, 69: 3-6.

Schubel, J.R., H. Bokuniewicz, P.F. Bontadelli, R. Diaz, M. H. Garcia, R.K. Mohan, D.J. Reed, S. Stedman, N.E. Stolpe, J. B. Torgan, T. H. Wakeman and M.P. Weinstein. 2001. A process for setting, managing and monitoring environmental windows for dredging projects. Washington D.C. National Academy Press 83p.

Side, J., H. Bokuniewicz, et al. 2001. Effects of extraction of marine sediments on the marine ecosystem. ICES Cooperative Research Report No. 247, 80 p.

Tanski, J., H. Bokuniewicz, C. Schlenk (editors), 2001. Impacts of barrier island beaches on selected biological resources of Great South Bay, New York. National Park Service, NY Sea Grant Extension Program, NYSGI-01-002, Final Report: 103 p.

## **2000**

Batten, B. and H. J. Bokuniewicz, 2000. Erosion Criteria applied to a coastal inlet: Shinnecock, NY. Shore and Beach 68: 3-6.

## **1999**

Bokuniewicz, H.J. 1999. Sand sources along Long Island's Ocean Shoreline. Shore and Beach, 67: 25-27.

Bokuniewicz, H.J. 1999. Marine aggregate dredging. Chapter 18 in Handbook of Coastal Engineering. J. B. Herbich, editor, McGraw-Hill: 18-1 – 18-9.

## **1998**

Bokuniewicz, H.J. 1998. Monitoring beaches: Conditions at the Village of East Hampton, NY. Shore and Beach 66: 12-17.

Giosan, L., H. J. Bokuniewicz, N. Panin, and I. Postalache, 1998. Longshore sediment transport pattern along the Romanian Danube Delta Coast. J. Coastal Research 15: 859-871.

## **1997**

Bokuniewicz, H.J., K. S. Kamlet, W. F. Bohlen, J. F. Grassle, D. F. Hayes, J. R. Hunt, D. G. Lee, K. McConnell, S. P. Pavlou, R. K. Peddicord, P. Shelley, R. Sobel, L. J. Thibodeaux, J. G. Wenzel, and L. Y. Young 1997. Contaminated sediments in ports and waterways. National Academy of Sciences: 295 p.

## **1996**

Bokuniewicz, H.J., J. Ericsson, J. Kassner, A. Mooney and L. Swanson. 1996. Hydrography of West Meadow Creek. Unpublished Report to the Town of Brookhaven.

Bokuniewicz, H.J., K. Kamlet, W.F. Bohlen, J.F. Grassle, D. Hayes, J. Hunt, D. Lee, K. McConnel, S. Pavlou, R. Peddicord, P. Shelley, R. Sobel, L. Thibodeaux, J. Wenzel, and R. Young 1996. Contaminated Sediments in Ports and Waterways: Clean-up strategies and technologies. National: 212 p.

## **1995**

Bokuniewicz, H. J. 1995. Sedimentary systems of coastal-plain estuaries. Developments in Sedimentology 53: 49-68.

Metcalf, W., H. Bokuniewicz and A. Terchunain. 1995. Water-table variations on a reflective ocean beach: Quoque Beach, New York. Northeastern Geology 17, No. 1, p. 61-67.

## **1994**

Bokuniewicz H.J. and M. Wolff, 1994. Planning Long Island's response to rising sea level. Chapter 21 in "The Environment": J.E. Hickey and L.A. Longmire, editors Greenwood Press Westport, CT: 247-260.

Bokuniewicz, H., 1994. Sedimentation Associated with an East River Tidal Barrage. NY Academy of Sciences, Volume 742, 51-57.



## **1992**

Bokuniewicz, H.J. 1992. Analytical descriptions of subaqueous groundwater seepage. *Estuaries* 15: 458-464.

## **1991**

Bokuniewicz, H.J. and J.R. Schubel. 1991. The origin and development of Great south Bay: A geological perspective. in "The Great South Bay" J.R. Schubel, T.M. Bell and H.H. Carter, editors. State University of New York Press, Albany: 5-8.

Bokuniewicz, H.J., L. McTiernan and W. Davis. 1991. Measurement of sediment resuspension rates in Long Island Sound. *Geomarine Letters* 11: 159-161.

Gayes, P. and H. Bokuniewicz. 1991. Estuarine paleoshorelines in Long Island Sound, New York, *J. Coastal Research* 11: 39-54.

Hansen, W. V. Goldsmith, K. Clarke and H. Bokuniewicz. 1991. A Marine GIS examines wetland in the New York bight, *GeoInfo Systems* 2: 52-57.

Kim, N. and H.J. Bokuniewicz. 1991. Suspended sediment budget in Long Island Sound: A box model application. *Estuaries* 14: 237-247.

Schubert, C.E. and H. Bokuniewicz. 1991. Infragravity wave motion in a tidal inlet. *Coastal Sediments '91*. ASCE, 1434-1446.

## **1990**

Baldwin, K.C., J.D. Irish, and H.J. Bokuniewicz. Real-time in-situ monitoring of dredged disposal sites. *Geotechnical Engineering of Ocean Waste Disposal*, K.R. Demars and R. C. Chaney, editors: 76-86.

Bokuniewicz, H.J. 1990. Tailoring a local response to rising sea level: A suggestion for Long Island, NY. *Shore and Beach* 58: 22-25.

Bokuniewicz, H.J. and B. Pavlik. 1990. Groundwater seepage along a barrier island. *Biogeochemistry* 10: 257 – 276.

## **1989**

Kamlet, K., W.J. Adams, A.K. Ahmed, H. J. Bokuniewicz, T. Grigalunas, J. Herbich, R. Huggett, H. Sanders, J. Thornton. 1990. Contaminated Marine Sediments Assessment and Remediation. 1989. National Research Council, National Academy Press, Wash. D.C., 494 pp.

## **1988**

Bokuniewicz, H.J. 1988. Sand mining in New York Harbor. *Marine Mining in New York Harbor*. *Marine Mining*, 7: 7 – 18.

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